

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1319168

Luminaire Tested: LDSQA3D09R709835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319168  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709835DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

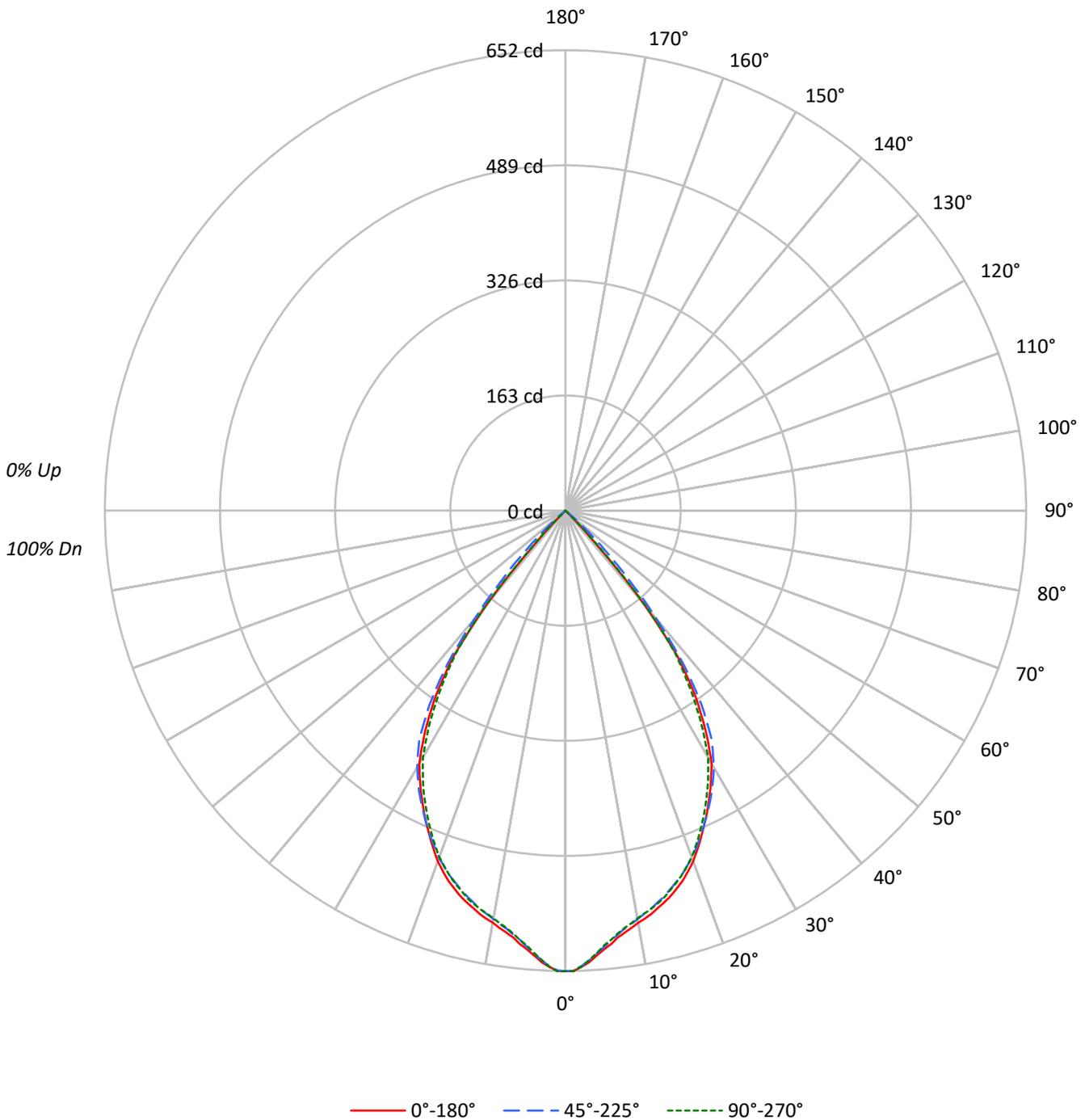
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 675.0 lumens  
Efficiency: N/A  
Efficacy: 61.4 lumens/watt  
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93	93	93	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80	80	80	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74	74	74	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68	68	68	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63	63	63	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51	51	51	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48	48	48	48

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	112358	112358	112358
5°	107860	107272	106978
10°	103616	102724	102514
15°	101166	99740	99936
20°	96879	95926	95725
25°	89921	90149	88723
30°	82291	83444	80262
35°	67320	70558	64692
40°	38759	45166	39793
45°	560	18778	1948
50°	0	1983	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 18778 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.2	8.6
10°-20°	157.7	23.4
20°-30°	216.7	32.1
30°-40°	196.5	29.1
40°-50°	45.7	6.8
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	432.6	64.1
0°-40°	629.1	93.2
0°-60°	675.0	100.0
0°-90°	675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	675.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	624	622	620	619	619	59
15°	567	563	559	559	560	159
25°	473	476	474	470	467	217
35°	320	325	336	321	308	192
45°	2	26	77	33	8	28
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	652.4	652.4	652.4	652.4	652.4
1°	651.9	650.7	651.3	651.9	652.4
2°	646.7	645.6	645.6	646.2	646.2
3°	640.5	638.2	638.2	637.6	637.6
4°	631.9	630.2	629.0	628.5	628.5
5°	623.9	622.2	620.5	619.3	618.8
6°	617.1	614.2	611.9	611.3	611.9
7°	609.1	607.4	605.1	603.4	603.9
8°	603.4	601.1	598.2	597.1	597.1
9°	598.2	595.9	593.1	590.8	591.9
10°	592.5	590.2	587.4	585.7	586.2
11°	588.5	585.7	582.2	581.1	581.7
12°	583.9	580.5	577.1	576.5	577.7
13°	578.2	574.8	571.4	571.4	572.5
14°	573.1	569.1	565.7	565.7	567.4
15°	567.4	563.4	559.4	559.4	560.5
17.5°	550.3	546.8	542.8	542.8	543.4
20°	528.6	526.9	523.4	521.7	522.3
22.5°	501.2	501.2	499.5	496.6	495.5
25°	473.2	475.5	474.4	469.8	466.9
27.5°	444.1	448.1	448.7	441.8	436.7
30°	413.8	417.3	419.6	411.6	403.6
32.5°	369.3	379.6	385.3	374.5	357.9
35°	320.2	324.8	335.6	321.4	307.7
37.5°	260.3	266.0	275.1	263.7	255.7
40°	172.4	195.2	200.9	195.2	177.0
42.5°	62.2	109.6	131.9	111.9	73.1
45°	2.3	25.7	77.1	33.1	8.0
47.5°	0.0	0.6	34.8	1.1	0.0
50°	0.0	0.0	7.4	0.0	0.0
52.5°	0.0	0.0	0.6	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)